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# INIS ATOMINDEX

AN INTERNATIONAL ABSTRACTING SERVICE

# ИНИС АТОМИНДЕКС

CUMULATIVE INDEX

VOLUME 10  
January-June 1979

Part: 4  
Subject Index A-L



INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, 1979

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\* Countries marked by an asterisk are those that by the day of edition of this document had formally indicated their willingness to participate in the International Nuclear Information System (INIS).

In addition the following international and regional organizations have formally accepted an invitation to participate in INIS:

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 International Commission on Radiological Protection (ICRP)  
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 Nuclear Energy Agency (NEA)  
 Organization of African Unity (OAU)  
 United Nations (UN)  
 World Energy Conference (WEC)  
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The Agency's Statute was approved on 23 October 1956 by the Conference on the Statute of the IAEA held at United Nations Headquarters, New York; it entered into force on 29 July 1957. The Headquarters of the Agency are situated in Vienna. Its principal objective is "to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world".

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# INTRODUCTION

## The International Nuclear Information System (INIS)

INIS is a cooperative, decentralized information system set up by the International Atomic Energy Agency and its Member States. Its purpose is to construct a data base identifying publications relating to nuclear science and its peaceful applications. Member States and cooperating international organizations scan the scientific and technical literature published within their boundaries or by them, select from it those items which fall within the subject scope of INIS<sup>1)</sup> and process the data according to the agreed standards and rules. Document descriptions, abstracts and, in certain cases, full texts of the literature are then submitted to the IAEA Headquarters, where those data are merged and the INIS output products compiled. The following services are issued:

- The INIS magnetic tape service
- INIS Atomindex: a semi-monthly abstracting journal<sup>2)</sup>
- INIS non-conventional literature on microfiche<sup>3)</sup>

## Availability and price of INIS services

### MAGNETIC TAPE SERVICE

This semi-monthly service, providing magnetic tapes containing all records submitted to the system, is available only to participating Member States and International Organizations. National INIS centres in many countries are utilizing INIS tapes in the provision of national information services. Available services vary from country to country and interested persons are requested to contact their national INIS Liaison Officer whose name and address appear on the inside cover of this journal.

### INIS Atomindex

Available to the public on annual subscription. Prices for 1979 are:

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<sup>1)</sup> The scope of INIS is defined by the scope of the IAEA's interests. Full details of the INIS scope are printed in IAEA-INIS-3, INIS: Subject Categories and Scope Descriptions. This is a publication in the INIS Reference Series which defines the standards and rules for INIS. Copies of all documents in the INIS Reference Series are available from the IAEA, Vienna.

<sup>2)</sup> INIS Atomindex is prepared from the semi-monthly INIS magnetic tapes by computer-driven photocomposition methods. The bulk of the information contained in the magnetic tapes is printed in INIS Atomindex. The major exception to this are the subject descriptors, whose main use is for computer-searching. These are omitted from all INIS Atomindex entries that are accompanied by abstracts.

<sup>3)</sup> In INIS, "non-conventional literature" is defined as all literature other than journal articles or commercially published books.

Orders should be sent to:

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Prior to Volume 7, 1976, abstracts for most items were not printed in INIS Atomindex but were published on microfiche. Backsets of the INIS Abstracts on microfiche covering vols. 1 to 6 of INIS Atomindex are still available from the INIS Clearinghouse. Cost is Austrian Schillings 810.— per volume.

## CUMULATIVE INDEXES

Cumulative indexes to INIS Atomindex are published twice yearly covering the twelve issue indexes published in the months of January to June and July to December. The present Cumulative Index covers issues 1–12 of Vol.10 i.e. the issues published from 1 January to 15 June 1979. It consists of:

Part 1: Personal Author Index: A–L;  
Part 2: Personal Author Index: M–Z;  
Part 3: Corporate Entry Index,  
Conference Index,  
Report, Standard and Patent Number Index;  
Part 4: Subject Index: A–L;  
Part 5: Subject Index: M–Z.



Previous Cumulative Indexes have been published, as follows:

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Vol. 1, No. 1 – Vol. 3, No. 4	Austrian Schillings 216,—
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Vol. 5, Nos. 1–12	Austrian Schillings 135,—
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Vol. 6, Nos. 1–12	Austrian Schillings 230,—
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Vol. 7, Nos. 1–12	Austrian Schillings 325,—
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Vol. 8, Nos. 1–12	Austrian Schillings 325,—
Vol. 8, Nos. 13–24	Austrian Schillings 325,—
Vol. 9, Nos. 1–12	Austrian Schillings 325,—
Vol. 9, Nos. 13–24	Austrian Schillings 325,—

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RN 419365–RN 421704	Vol.10, No. 1
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RN 424080–RN 427594	Vol.10, No. 3
RN 427595–RN 431157	Vol.10, No. 4
RN 431158–RN 434041	Vol.10, No. 5
RN 434042–RN 438448	Vol.10, No. 6
RN 438449–RN 442224	Vol.10, No. 7
RN 442225–RN 446348	Vol.10, No. 8
RN 446349–RN 450215	Vol.10, No. 9
RN 450216–RN 453129	Vol.10, No.10
RN 453130–RN 456546	Vol.10, No.11
RN 456547–RN 459654	Vol.10, No.12

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Examples:

- Berg, B.**  
Additional conservation laws in the Thirring model. 264528  
Particle number conservation in the massive Thirring model. 264527
- Berg, C.J.M. van den**  
Coded aperture imaging and the introduction of the modulated zone plate in nuclear medicine. (CEA–CR–6) 251473  
A refocussing filter based on Fridman's theorem, applied to Tl-201 myocardial scintigrams. (CEA–CR–6) 251497
- Van De Woestijne, K.P.**  
Horizontal gradient in ventilation distribution due to a localized chest wall abnormality. 255646
- Van den Berg, J.A.**  
Equilibrium studies of the uranyl oxalate system in acidic aqueous solution. 270151

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- Agence Nationale de Valorisation de la Recherche (ANVAR), 92 – Paris-Defense (France)**  
Process and devices of detection of hard electromagnetic or particle radiations using a superconducting element. 433824  
Process for obtaining oxygen doped zinc telluride monocrystals and scintillator crystals obtained by this process. 444113  
System for the high speed cathodic spraying of a deposit. 432647
- Anderson (M.D.) Hospital and Tumor Inst., Houston, TX (USA)**  
Radiation and biophysical studies on cells and viruses. Progress report 1 July 1977 – 30 June 1978. (ORO – 2832-192) 436972
- ANVAR, 92 – Paris-Defense (France)**  
See Agence Nationale de Valorisation de la Recherche (ANVAR), 92 – Paris-Defense (France)
- Applied Decision Analysis, Inc., Menlo Park, CA (USA)**  
Methodology and preliminary models for analyzing nuclear safeguards decisions. (UCRL – 13931) 459620
- Applied Nucleonics Co., Inc., Los Angeles, CA (USA)**  
Summary of seismic assessment of underground and buried nuclear power plants. (ATR – 78(7652-01)2) 437244
- Arbeitsgemeinschaft Versuchs-Reaktor G.m.b.H., Duesseldorf (Germany, F.R.)**  
10 years of electricity generation with the pebble bed reactor of AVR. (INIS-mf – 4910) 452767

#### Conference Index

This index is divided into two parts. The first part is arranged in chronological order by the date of the meeting. Other information given includes the place (city or town) where the meeting was held, the name of the meeting, and the RN's of the main entries for all documents presented at, or resulting from the meeting and listed in the issues of INIS Atomindex covered by this cumulation.

The second part of the index repeats the above information but this time the entries are arranged in alphabetical order by the name of the place in which the meeting was held.

Examples:

- 76 Mar 1. Toulouse, France.** International colloquium on solar electricity. 293922.
- 76 Mar 2. Golden, CO, USA.** Interagency Mechanical Operations Group meeting. 283257, 284029.
- 76 Mar 9. Dublin, Ireland.** International conference on physics in industry. 297370, 297379, 297384, 297541, 298153, 298173, 298178, 298182, 298205, 298744, 299136, 299319, 299353, 299364, 299477, 299831, 299921, 299944, 300058.
- Glasgow, UK. 76 Apr 7.** Annual Chemical Congress. 287782.
- Goettingen, Germany, F.R. 75 May 26.** 4. German symposium on nuclear law. 290006, 290325, 290329, 290341, 290346, 290349, 290350, 291073, 291075, 291076, 291077, 291078, 291079, 291080, 291081, 291082, 291083, 291084, 291085, 291086, 291087, 291088, 291089, 291090, 291091, 291093, 291094.
- Golden, CO, USA. 76 Mar 2.** Interagency Mechanical Operations Group meeting. 283257, 284029.

#### Report, Standard and Patent Number Index

Entries for publications are arranged according to the number assigned to them by the organizations or institutions responsible for their production or distribution. If a document has not been assigned a reference number at the source, it is assigned an INIS-mf – number by the INIS Secretariat. Patent numbers are listed under the general heading PATENTS.

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Examples:

- CEA-CONF**  
CEA-CONF–3695 313867 Copies available from Service de Documentation, CEN Saclay, BP No2, 91190 Gif-sur-Yvette (France).
- D**  
D-456228  
See N–76-22136
- DIN**  
DIN–25403(Pt.4) 315707 Publisher
- DOCKET-STN-5056**  
DOCKET-STN-50568–1 316143 INIS
- DP**  
DP–1452 315036 INIS



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The subject index also includes references from terms not adopted for indexing to the approved terms (descriptors) under which information may be found (see references); see also references are intended to guide the index user from one subject heading to another under which related material may also be indexed.

For additional guidance to subject headings under which references of interest might be found, see *INIS: Thesaurus (IAEA-INIS-13)*.

Examples:

### ALVEOLI (PULMONARY):

See LUNGS

### AMERICIUM:

#### electric conductivity

The electrical resistivity of  $^{241}\text{Am}$  metal. (B22). 354557

### AMERICIUM COMPOUNDS:

#### ion exchange chromatography

Separation of Am, Cm and rare-earths on the colloidal fraction of an anion-exchange resin deposited on an inert carrier. (B13). 354400

Separation of Am, Cm and rare-earths by continuous two-dimensional ion-exchange chromatography. (B13). 354405

### AMERICIUM ISOTOPES:

See also AMERICIUM 241

### AMERICIUM 241:

#### clearance

Decorporation of  $^{241}\text{Am}$  and  $^{232}\text{Cf}$  by Ca-DTPA from rat, Syrian and Chinese hamster. (C21). 354868

#### electric conductivity

The electrical resistivity of  $^{241}\text{Am}$  metal. (B22). 354557

#### internal irradiation

The dosimetry of  $^{241}\text{Pu}$  reconsidered. (C55). 355044

### AMIDES:

See also ACRYLAMIDE

### AMINES:

See also ANILINE; HYDROXYLAMINE; TRYPTAMINES

#### liquid column chromatography

Use of high performance liquid chromatography to separate very small quantities of radio-labelled metabolites from biological tissue. (C42; Acaricides; amitraz). 354909

### AMINO ACIDS:

See also CYSTEINE; DTPA; FOLIC ACID; KYNURENINE; THYROXINE; TRYPTOPHAN

### AMINO BENZENE:

See ANILINE

### AMMONIA:

#### electron-molecule collisions

Differential cross sections for 35keV electrons elastically scattered from  $\text{NH}_3$ . (A12). 353297

### AMMONIUM COMPOUNDS:

#### neutron diffraction

Studying the rotation of the  $\text{NH}_4$  ion in ammonium chloride by means of high-resolution neutron spectroscopy. (A13, B12). 353495

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Source: Service de Vente de l'Imprimerie Nationale  
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